NATIONAL MUSEUM
OF VICTORIA

VIRO REVERENDO ET ERUDITO

ROBERTO NARES,

UTRIUSQUE SOCIETATIS

TAM REGIÆ QUAM ANTIQUARIÆ

SOCIO, &c. &c. &c.

HUNC

VICESIMUM TERTIUM

NATURÆ VIVARII

FASCICULUM

D. D. D.

GEORGIUS SHAW,

E. NODDER.

TO

THE REV. ROBERT NARES,

F.R. AND F.A.S.

ARCHDEACON OF STAFFORD,

CANON RESIDENTIARY OF LICHFIELD,

&c. &c. &c.

THIS TWENTY-THIRD VOLUME

OF THE

NATURALIST'S MISCELLANY

IS INSCRIBED,

AS A TESTIMONY OF FRIENDSHIP,

BY

GEORGE SHAW,

E. NODDER.

MOTACILLA DIOPHRYS.

****

CHARACTER GENERICUS.

Rostrum subulatum, rectum; mandibulis subæqualibus.

Nares obovatæ.

Lingua lacero-emarginata.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Motacilla ferrugineo-fusca subtus alba, cauda cuneata, stria supra infraque oculos nigra.

Le Double-Sourcil.

Levaill. Av. Afr. t. 128.

Hujus avis ostendit tabula veram et naturalem magnitudinem. Generant eam partes Africæ interiores. Femina caret striis ocularriis nigris.

THE

DOUBLE-STREAKED WARBLER.

****

GENERIC CHARACTER.

Bill subulate, strait; mandibles nearly equal.
Nostrils nearly oval.
Tongue jagged or lacerated towards the tip.

SPECIFIC CHARACTER, &c.

Ferruginous-brown Warbler, white beneath, with cuneated tail, and black stripe above and below the eyes.

Le Double-Sourcil.

Levaill. Ois. Afr. pl. 128.

This bird is represented on the plate in its natural size. It is an inhabitant of the interior parts of Africa. The female is distinguished by the want of the black eye-stripes.

973

R P Nodder del. et Sculpt.

SCARABÆUS MICANS.

****

CHARACTER GENERICUS.

Antennæ clavatæ, capitulo fissili.
Tibiæ anticæ sæpius dentatæ.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Scarabæus viridissimus, nitens, capite subquadrato, cornu frontali bifurco fusco.

Cetonia micans. C. viridis nitens, clypeo porrecto recurvo bifido, tibiis anticis serratis.

Fabr. spec. ins. p. 50.

Africana est hæc Scarabæi species, et magnitudine vera in tabula depingitur.

THE

SHINING BEETLE.

****

GENERIC CHARACTER.

Antennæ divided at the tip or head into several lamellæ.

Tibiæ (or second joints of the fore legs) generally toothed.

SPECIFIC CHARACTER, &c.

Shining grass-green Beetle, with squarish head, and brown forked frontal horn.

La Cetoine eclatante.

Oliv. Coleopt.

Drury ins. 2. pl. 32. f. 3.

The present species of Beetle is a native of Africa, and is represented in its natural size.

974

SPARUS JUBA.

****

CHARACTER GENERICUS.

Dentes validi: *primores* ordine simplici, duplici, triplici, vel quadruplici dispositi.

Molares (plerisque) validi, convexi, læves, in series dispositi, et quasi pavimentum in ore efformantes.

Labia crassa: Opercula mutica, squamosa.

CHARACTER SPECIFICUS, &c.

Sparus Juba. S. argenteus, dorso violaceo, pinnis flavo luteoque variatis, cauda bimaculata.

Gen. Zool. 4. p. 431.

Perca Juba. P. maculis duabus brunneis in pinna caudali.

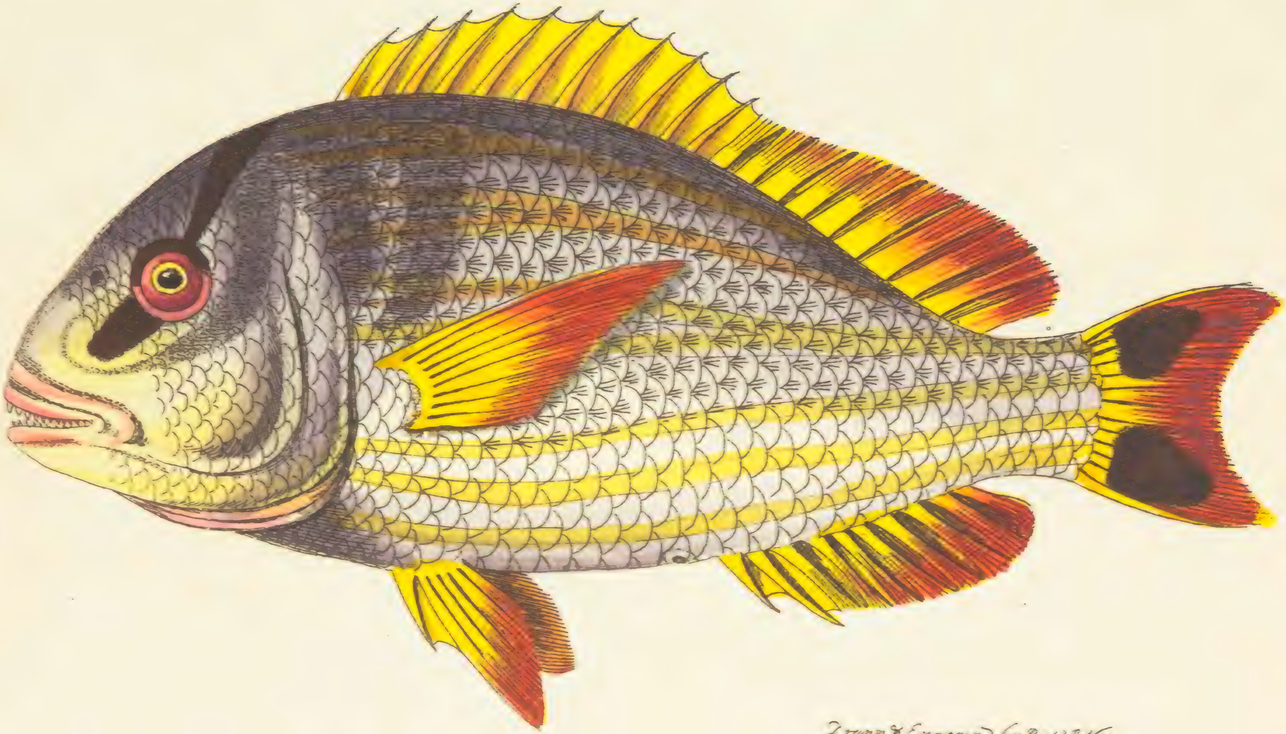
Bloch. ichth. 9. t. 311. f. 1.

Guatucupa Juba.

Marcgr. Bras.
Will. ichth.

Maria incolit Americana Sparus Juba, in bipedalem crescens longitudinem.

975



Drawn & Engraved by Richd P Nodder

THE

JUBA SPARUS.

****

GENERIC CHARACTER.

Teeth strong: *front-teeth* in some species disposed in a single row, in others in a double, treble, or quadruple row.

Grinders (in most species) convex, smooth, and disposed in ranges, forming a kind of pavement in the mouth.

Lips thick : *Gill-Covers* unarmed, smooth, scaly.

SPECIFIC CHARACTER, &c.

Silvery Sparus, with violet back, fins varied with yellow and orange, and tail marked by two spots.

Juba Sparus.

Gen. Zool. 4. p. 431.

Guatucupa Juba.

Marcgr. Jonst. Will. &c.

The Sparus Juba is an inhabitant of the American seas, growing to the length of about two feet.

CONUS GLORIA MARIS.

****

CHARACTER GENERICUS.

Animal Limax.
Testa univalvis, convoluta, turbinata.
Apertura effusa, longitudinalis, linearis, edentula, basi integra.
Columella lævis.

CHARACTER SPECIFICUS, &c.

Conus subelongatus subcylindricus albidus, fusco minutim reticulatus, fasciis transversis fusco-luteis.

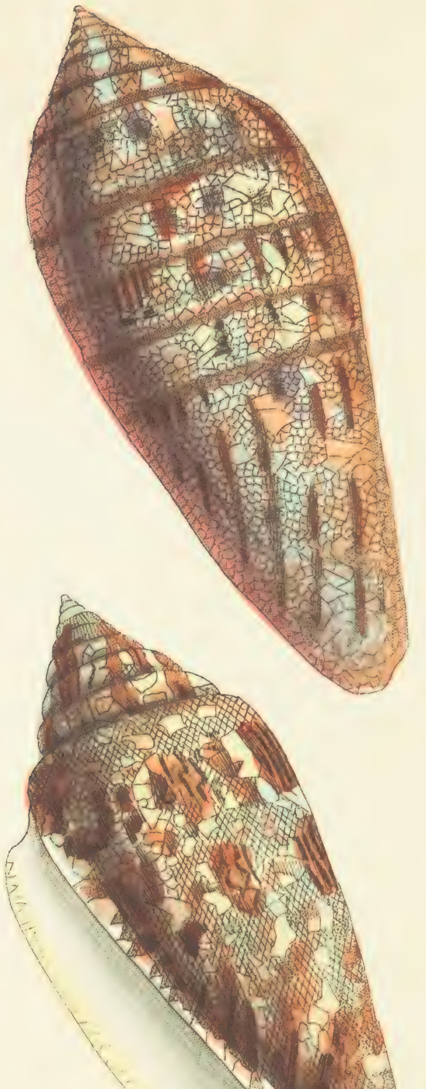
Conus Gloria maris. C. elongatus, cylindrico-conicus, albus, aurantio-fasciatus, maculis albis trigonis subtilissimis fusco cinctis ad apicem usque reticulatus; spiræ concavo-acuminatæ anfractibus superioribus nodulosis.

Lamarck Ann M. Hist. Nat. 15. p. 438.

Gloria maris, testa cylindrica, &c. &c. &c.

Chemn. 10. p. 73. t. 143. f. 1324. 1325.

In rarissimis et pretiosissimis totius generis merito habetur conus cujus veram magnitudinem ostendit tabula. In maribus generatur Americæ australi adjacentibus.



Drawn & Engraved by R.P. Nodder.

THE

NONPAREIL CONE.

****

GENERIC CHARACTER.

Animal resembling a Limax or Slug.
Shell more or less conic or pyramidal.
Aperture longitudinal, linear, without teeth, entire at the base.
Pillar smooth.

SPECIFIC CHARACTER, &c.

Subelongated, subcylindric, whitish Cone, with minute brown reticulations, and transverse orange-brown bands.

Gloria maris.

Chemn. 10. pl. 143. f. 1344. 1345.
Lamarck. Ann. M. Hist. Nat. 15. p. 438.
Bruguiere Encycl. pl. 347. f. 7.

This highly beautiful shell, which may be considered as one of the rarest and most valuable of the genus Conus, is a native of the South-American seas, and is represented on the plate in its natural size.

977

THE

VIOLET-EARED HUMMING-BIRD.

****

GENERIC CHARACTER.

Bill longer than the head, cylindric, slender, with slightly-thickened tip; the upper mandible sheathing the lower.

Tongue filiform, extensile, consisting of two conjoined slips forming a tube.

Legs slender, rather short: feet formed for walking.

Tail consisting of ten feathers.

SPECIFIC CHARACTER, &c.

Strait-Billed gold-green Humming-Bird, white beneath, with slightly elongated violaceous ear-feathers, black wings, and white lateral tail-feathers.

Oiseau-mouche à oreilles.

Buff. ois.

Viell. pl. 25. 26.

Violet-Eared Humming-Bird.

Lath. syn.

This elegant species is a native of Cayenne, and is represented on the plate in its natural size.

OSTREA ISLANDICA.

****

CHARACTER GENERICUS.

Animal Tethys.

Testa bivalvis, inæquivalvis, subaurita.

Cardo edentulus, fossula cava ovata striisque lateralibus transversis.

CHARACTER SPECIFICUS, &c.

Ostrea testa orbiculari subflava vel rubea, fasciis transversis purpureis, auriculis inæqualibus, radiis numerosis.

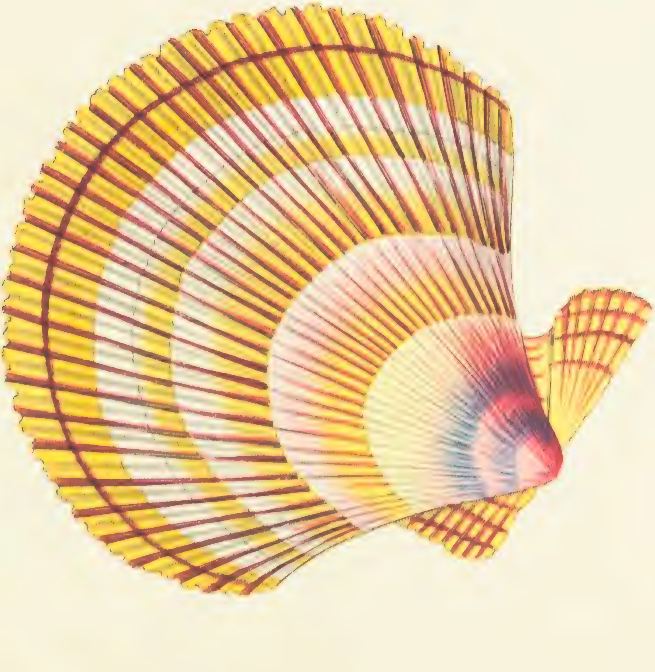
Ostrea Islandica. O. testa orbiculari, circulis purpureis, radiis centum.

Lin. Syst. Nat. Gmel. p. 3326.

Pecten testa suborbiculari aurita, radiis plano-convexis sulcatis numerosis, alternis minoribus integris, interne crocea.

Fabr. Faun. Groenl. p. 415. *No.* 416.

In maribus arcticis præcipue reperitur Ostrea Islandica, coloribus non raro varians, Ostrea maxima, ut plurimum, paulo minor.



826

THE

ICELANDIC SCALLOP.

****

GENERIC CHARACTER.

Animal allied to a Tethys.
Shell bivalve; valves unequal, subauriculated.
Hinge toothless, with an ovate fossule and transverse lateral streaks.

SPECIFIC CHARACTER, &c.

Scallop with orbicular yellowish or reddish shell, with transverse purple bands, unequal ears, and numerous rays.
Seb. mus. 3. pl. 87. f. 7.
Knorr Vergn. 1. pl. 4. f. 1. and pl. 5. f. 2.
Lister, pl. 1057. f. 4.?
Gualt. test. pl. 73. R.

The Icelandic Scallop is principally found in the northern seas, often varying considerably in colour: its size is somewhat inferior to that of the common Scallop.

SPARUS CHLOROPTERUS.

****

CHARACTER GENERICUS.

Dentes validi: *primores* ordine simplici, duplici, triplici, vel quadruplici dispositi.

Molares (plerisque) validi, convexi, læves, in series dispositi, et quasi pavimentum in ore efformantes.

Labia crassa; *opercula* mutica, squamosa.

CHARACTER SPECIFICUS, &c.

Sparus viridis, abdomine subflavente, capite fusco cæruleo-lineato.

Gen. Zool. 4. p. 451.

Labrus chloropterus. L. dentibus duobus caninis in utraque maxilla, aculeis duobus in pinna ani.

Bloch ichth. 8. t. 288.

Maria Indica incolit Sparus chloropterus, a Blochio primum descriptus. In pedalem crescit longitudinem.

NATIONAL MUSEUM OF VICTORIA

SPHINX CRANTOR.

****

CHARACTER GENERICUS.

Antennæ subprismaticæ, utroque fine attenuatæ.
Lingua exserta (plerisque).
Palpi duo reflexi.
Alæ deflexæ.

Lin. Syst. Nat. Gmel.

CHARACTER SPECIFICUS, &c.

Sphinx alis fuscis atro maculatis, posterioribus rubris margine atro.

Lin. Syst. Nat. Gmel. p. 2380.
Fabr. spec. ins. 2. p. 151.
Cramer, t. 104. f. A.

Indiam incolit Sphinx Crantor, cujus veram magnitudinem ostendit tabula.

986

R P Nodder Del. Sculp.

CRANTOR.

****

GENERIC CHARACTER.

Antennæ subprismatic, attenuated at each end.
Tongue (in most species) exserted.
Feelers two, reflex.
Wings deflected.

SPECIFIC CHARACTER, &c.

Sphinx with brown upper wings spotted with black, and red lower wings bordered with black.

Sphinx Crantor.

Cramer, pl. 104. f. A.

The Sphinx here figured is an inhabitant of India, and is represented in its natural size.

THE

SUPERB PROMEROPS.

****

GENERIC CHARACTER.

Bill as in the genus Upupa.
Feet formed for walking.
Tail lengthened, and in most species cuneated.

Gen. Zool. 8. p. 142.

SPECIFIC CHARACTER, &c.

Black Promerops with violet and green gloss, falcated golden-shining scapular-feathers, and very long tail.

Gen. Zool. 8. p. 145.

Grand Promerops à paremens frisès.

Buff. Ois.

Grand Promerops.

Lath. Syn.

Le grand Promerops.

Aud. & Viell. Ois. dorès. pl. 8.

This is one of the most magnificent birds yet known to naturalists, and scarcely yields either in elegance of appearance or splendor of colours to the Paradise-Birds themselves, of which it has sometimes been erroneously considered as a species. It is an inhabitant of Papua or New-Guinea, and seems to have been first described by Sonnerat. Its length is nearly four feet from the tip of the bill to the end of the tail.

cum tantum genere. Quomodo in errorem non levem inciderit scriptor celeberrimus difficillimum est dicere, nisi pedes individui istius speciminis, de quo ibi disseritur, casu aliquo fuisse mutilatos, et altero ungue privatos. Sed melius forsan erit ipsius authoris verba proferre.

"Ungues pedum, ab auctoribus variis descriptos, studiose quæsivimus. At vero, apices pedum obtusi plane sunt, et denso vellere tecti, latente in pilis parvulo quodam, incurvo et simplici unguiculo, anteriores etiam pedes armante, sed usque adeo minuto, ut, nisi ferreo stilo investigetur, vix appareat. Falli ergo eos oportet, qui binos singulo pedi, et quidem majusculos, ungues tribuunt et appingunt."

THE

WESTERN SPIDER.

****

GENERIC CHARACTER.

Eyes eight. *Legs* eight.
Mouth furnished with two hooks or holders.
Palpi or Feelers two, the tips of which, (in the males) distinguish the sex.
Abdomen terminated by papillæ or teats, through which the animal draws its thread.

SPECIFIC CHARACTER, &c.

Brown Spider, with a radiated excavation on the thorax, and rounded ferruginous feet.
Mer. Surin. pl. 18.

It has been usual among naturalists to consider several very large exotic spiders as constituting so many mere varieties of one single species, viz. the Aranea avicularia of Linnæus. It is however more than probable that some at least of these supposed varieties are really distinct species. The particular kind exhibited in its natural size on the present plate, is a native of South-America and some of the West-Indian islands, and has been elegantly and correctly figured by Madam Merian in her work on the Surinam insects, and by the ingenious Roesel in his general history of insects.

I cannot omit taking notice of a most extraordinary error in a description given of the Aranea avicularia in the first volume of the Amænitates Academicæ of Linnæus, in which it is expressly affirmed, that the feet of that insect are furnished with only a single claw on each, and not with a pair, as in other spiders. How this very singular mistake could have been committed, is hardly to be conceived, except by supposing that the individual specimen examined for the purpose, happened accidentally to be mutilated in this respect.

I have diligently searched (says the writer) for the claws on the feet, described by various authors: the tips of the feet are obtuse, and thickly covered with hair, amidst which is concealed a small, crooked, single claw, but so minute as to be scarcely perceptible unless investigated by the assistance of a needle; and it therefore follows that an error has been committed by those who have described and figured two claws, and those rather large ones, on each foot.

SCOMBER MACULOSUS.

****

CHARACTER GENERICUS.

Corpus oblongum, læve, linea laterali interdum carinatum.

Pinnulæ sæpius supra infraque versus caudam.

Gen. Zool. 4. p. 577.

CHARACTER SPECIFICUS, &c.

Scomber supra cæruleo-virescens, maculis numerosis subalternis transversis elongatis nigris.

Gen. Zool. 4. p. 592.

Konam.

Russel. Pisc. Ind. t. 135.

Maria incolit Indica Scomber maculosus, magnitudine scombrum vulgarem Europæum superans.

286

THE

MOTTLED MACKREL.

****

GENERIC CHARACTER.

Body oblong, smooth; sometimes carinated by the lateral line.

Finlets (in most species) above and below towards the tail.

Gen. Zool. 4. p. 577.

SPECIFIC CHARACTER, &c.

Mackrel of a blue-green colour above, with numerous, subalternate, transverse, elongated black spots.

Gen. Zool. 4. p. 592.

Konam.

Russel's Indian Fishes, pl. 135.

The present species is an inhabitant of the Indian seas, and is of larger size than the Common European Mackrel.

RANA IGNEA.

****

CHARACTER GENERICUS.

Corpus tetrapodum, ecaudatum, nudum.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Rana olivaceo-fusca tuberculata, subtus aurantia cæruleo maculata.

Gen. Zool. 3. p. 116.

Bufo vulgo igneus dictus.

Roes. ran. p. 97. t. 22.

Ranarum Europæarum, si excipias ranam arboream, minima est quæ ignea dicitur, quamque alit Germania, regionesque in medio Europæ sitæ. Variat nonnunquam coloribus, quod et aliis plerisque congeneribus accidit. Amat loca humida et umbrosa, aquasque turbidas et stagnantes, alacri indole, saltu et natatu ipsa rana communi melior.

R.P.Nodder Del Sculp^t.

THE

FIRE FROG.

****

GENERIC CHARACTER.

Body four-footed, without tail, and naked, or without any integument but the skin.

SPECIFIC CHARACTER, &c.

Olive-brown Frog, beneath orange-coloured spotted with blue.

Gen. Zool. 3. p. 116.

Rana bombina?

Lin. Syst. Nat.

La Sonnante.

Cepede ov. 1. p. 553. pl 37.

This, which may be considered as the smallest of the European frogs, except the Rana arborea or tree frog, is a native of Germany and other midland parts of Europe, and, like most of the present genus, varies occasionally in the cast of its colours. It is principally found in damp, shady situations, or in turbid stagnant waters, and is of a remarkably active and lively nature, leaping and swimming with equal or even superior celerity to the common frog.

PROMEROPS CÆRULEUS.

****

CHARACTER GENERICUS.

Rostrum Upupæ.
Pedes ambulatorii.
Cauda elongata (plerisque cuneata.)

CHARACTER SPECIFICUS, &c.

Promerops cæruleus, rostro pedibusque nigris.
Gen. Zool. 8. p. 142.

Upupa Indica.
Lath. ind. orn.

Indiam incolit Promerops cæruleus, magnitudine quasi Upupæ communis Europææ.

98

OSTREA ISLANDICA.

Var.

****

CHARACTER GENERICUS.

Animal Tethys.
Testa bivalvis, inæquivalvis, subaurita.
Cardo edentulus, fossula cava ovata striisque lateralibus transversis.

CHARACTER SPECIFICUS, &c.

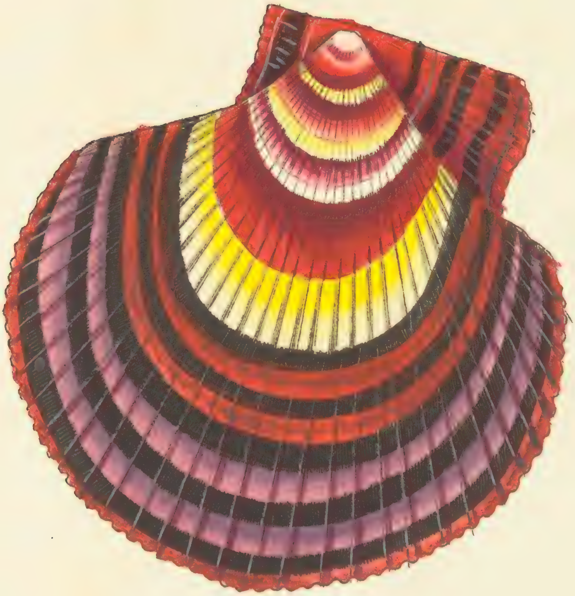
Ostrea testa orbiculari subflava vel rubea, fasciis transversis purpureis, auriculis inæqualibus, radiis numerosis.

Ostrea Islandica.

Lin. Syst. Nat. Gmel.
Fabr. Faun. Groenl.

Magnitudine vera exprimitur elegans hæc varietas Ostreæ Islandicæ.

987



R.P. Nodder Del.t Sculp.t

THE

ICELANDIC SCALLOP.

Var.

****

GENERIC CHARACTER.

Animal allied to a Tethys.
Shell bivalve ; valves unequal, subauriculated.
Hinge toothless, with an ovate fossule and transverse lateral streaks.

SPECIFIC CHARACTER, &c.

Scallop with orbicular yellowish or reddish shell, with transverse purple bands, unequal ears, and numerous rays.

Knorr Vergn. 1. pl. 5. f. 2.

This elegant variety of the Icelandic Scallop is represented in its natural size on the annexed plate.

HOLOCENTRUS AURATUS.

****

CHARACTER GENERICUS.

Habitus generis Percæ.
Opercula squamosa, serrata, aculeata.
Squamæ (pluribus) duræ, asperæ.

CHARACTER SPECIFICUS, &c.

Holocentrus auratus. H. luteus, rubro punctulatus.

Gen. Zool. 4. p. 562.

Holocentrus auratus. H. punctatus, aculeis dorsalibus novem.

Bloch. ichth. 7. p. 57. t. 236.

Maria incolit Indica Holocentrus auratus, magnitudine Percæ vulgaris.

THE

GOLDEN HOLOCENTRUS.

****

GENERIC CHARACTER.

Habit of the genus Perca.
Gill-Covers scaly, serrated, and aculeated.
Scales (in most species) hard and rough.

SPECIFIC CHARACTER, &c.

Gold-yellow Holocentrus, with red specks.

Gen. Zool. 4. p. 562.

Der Goldsogo.

Bloch. ichth. pl. 236.

The Golden Holocentrus is an inhabitant of the Indian seas, and is of the size of the Common European Perch.

588

R. P. Nodder Del. sculp.

ELPENOR.

****

GENERIC CHARACTER.

Antennæ subprismatic, attenuated at each end.
Feelers two, reflex.
Tongue (in most species) exserted.
Wings deflected.

SPECIFIC CHARACTER, &c.

Sphinx with the upper wings and body olive-coloured, striped with rose-colour; the lower wings rose-coloured with black base.
Roes. ins. 1. *pap. noct.* pl. 4.
Albin. Engl. Ins. pl. 9.
The Greater Elephant Hawk-Moth.

The Caterpillar of this beautiful Insect feeds principally on the leaves of the white marsh Galium or Bedstraw, and changes to a chrysalis in the month of August, from which in the following May emerges the animal in its perfect state.

STRIX AFRICANA.

****

CHARACTER GENERICUS.

Rostrum aduncum, absque cera.
Nares oblongæ, pennis setaceis recumbentibus obtectæ.
Caput grande, auribus oculisque magnis.
Lingua bifida.
Digitus externus retro mobilis.

CHARACTER SPECIFICUS, &c.

Strix subfusca subtus nivea, cauda fasciis numerosis linearibus albis.

Gen. Zool. 7. p. 278.

Le Choucou.

Levaill. Ois. Afr. t. 38.

Speciem elegantem cernere est in tabula in Africa interiori generatam, quamque primum opinor descripsisse Levaillantum. Prodire solet per crepuscula celerrimo volatu, sæpius radens iter prope terram, emissa stridula voce. Femina mari paulo minor est, corpore inferiore minus niveo. Æquat avis longitudine quasi decem uncias.

F

SCIÆNA UNIMACULATA.

****

CHARACTER GENERICUS.

Caput squamosum.
Pinnæ dorsales duæ, in fossula recondendæ.
Membr. branch. radiis sex.

CHARACTER SPECIFICUS, &c.

Sciæna argenteo-cinerea flavo lineata, corpore macula utrinque nigra.

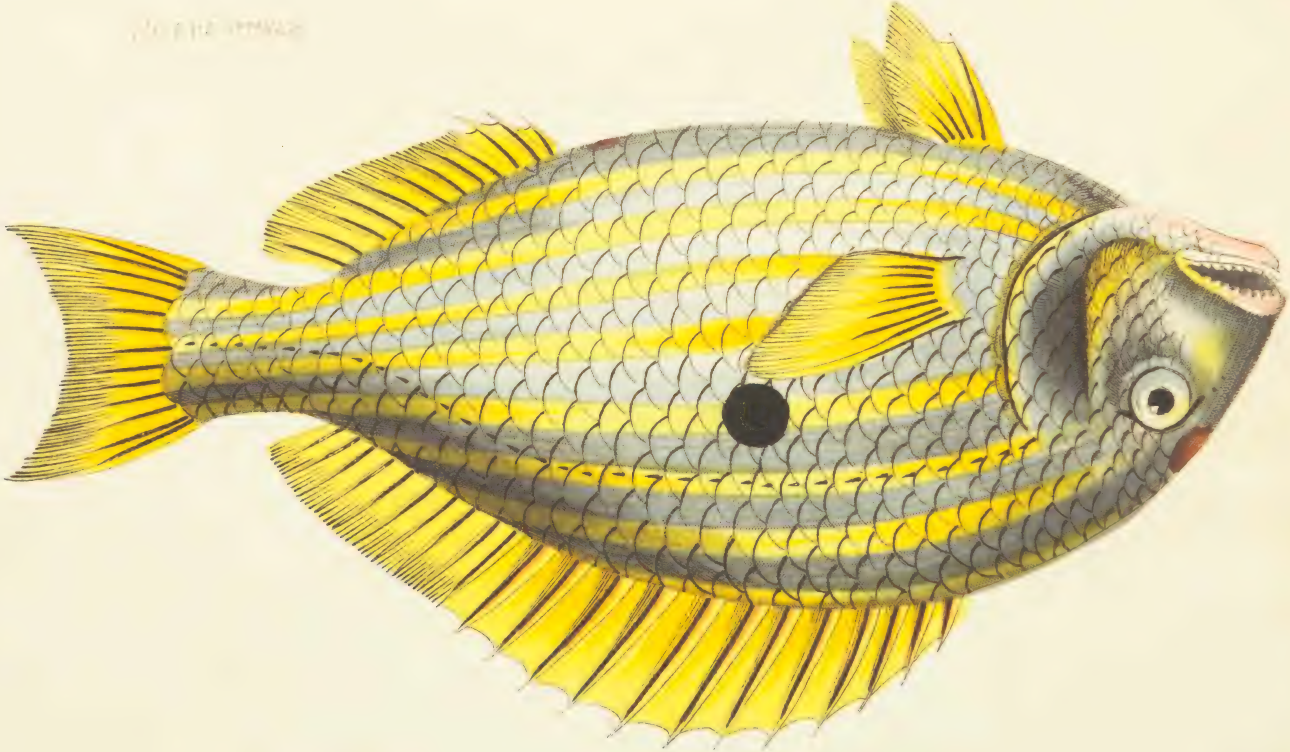
Perca unimaculata. P. macula rotunda in latere utroque.

Bloch. ichth. 9. t. 308. f. 1.

Sciæna unimaculata?

Gen. Zool. 4. p. 339.

In maribus Brasiliensibus innascitur Sciæna maculata; nonnunquam tamen fluvios intrat, eo præcipue tempore quo ova solet deponere. In cibis habetur lautioribus, et ad eandem crescit magnitudinem quam Cyprinus Carpio seu vulgaris. Piscem primus descripsisse videtur Marcgravius, qui Salemam nuncupavit.



656

THE

SINGLE-SPOTTED SCIÆNA.

****

GENERIC CHARACTER.

Head scaly.

Dorsal fins two, seated in a furrow into which they are occasionally withdrawn.

Gill-Membrane six-rayed.

SPECIFIC CHARACTER, &c.

Silvery-grey Sciæna, striped with yellow, and marked on each side the body by a black spot.

Salema.

Marcgr. Bras.

Der Fleck.

Bloch. ichth. 9. pl. 308. f. 1.

The present species is a native of the Brasilian seas, occasionally entering rivers, especially during the spawning-season. It is considered as an excellent fish for the table, and arrives at the size of a common Carp. It seems to have been first described by Marcgrave, under the name of Salema.

PAPILIO PYRETUS.

****

CHARACTER GENERICUS.

Antennæ apicem versus crassiores, sæpius clavato-capitatæ.
Alæ (sedentis) erectæ sursumque conniventes. (Volatu diurno.)

CHARACTER SPECIFICUS, &c.

Papilio alis caudatis supra nigris fascia rubra, infra aureo-cæruleis fascia nigra.
Papilio Pyretus.
Cram. t. 144. f. A. B.

Surinamiam incolit bellus hic Papilio, et magnitudine vera in tabula depingitur.

991

R P Nodder D S Sculp

PYRETUS.

****

GENERIC CHARACTER.

Antennæ thickening towards the end, and generally terminating in a clavated tip.

Wings (when at rest) meeting upwards. Flight diurnal.

SPECIFIC CHARACTER, &c.

Tail-winged Butterfly, with the wings black above with a red bar, and gilded-blue beneath with a black bar.

Pyretus.

Cram. pl. 144. f. A. B.

This beautiful Butterfly is a native of Surinam, and is represented on the plate in its natural size.

THE

VARIEGATED SCALLOP.

****

GENERIC CHARACTER.

Animal allied to a Tethys.
Shell bivalve, valves generally unequal, subauriculated.
Hinge toothless, with an ovate fossule and transverse lateral streaks.

SPECIFIC CHARACTER, &c.

Whitish or yellowish Scallop, variegated with irregular transverse red bands, with about thirty rough rays, and unequal ears.

Variegated Scallop.

Penn. Brit. Zool.

Lister 187.
Chemn. 7. pl. 66. f. 633. 634.
Knorr 1. pl. 19. f. 2. and 2. pl. 18. f. 5.

The Species here represented is a native of the European seas, varying very considerably both in size and colours.

PARADISEA GULARIS.

****

CHARACTER GENERICUS.

Rostrum capistri plumis tomentosis tectum.
Pennæ hypochondriorum plerisque longiores.
Pedes validi, ambulatorii.

CHARACTER SPECIFICUS, &c.

Paradisea gularis. P. nigra purpureo-nitens, subtus dorsoque aureo-atro-virentibus, gula aureo-cuprea, cauda cuneata longissima.

Gen. Zool. 7. p. 501.

Paradisea gularis. P. purpureo-nigricans, capistro genisque tomentosis, cervice fasciaque pectorali viridi-nitentibus, sub gula lunula aureo-cuprea fulgidissima.

Lath. ind. orn.

Pulcherrimam hanc avem in insulis Moluccis generatam cernere est eleganter depictam in operibus Vielloti et Levaillantii. Convenit huic ingenium modusque vivendi cum reliquis Paradiseis. Longitudo ab apice rostri ad extremum caudæ quasi bipedalis est cum semipede.

THE

GORGET PARADISE-BIRD.

****

GENERIC CHARACTER.

Bill covered at the base by velvet-like plumes.
Side-Feathers beneath the wings, in most species, extending far beyond the rest of the plumage.
Legs strong: feet formed for walking.

SPECIFIC CHARACTER, &c.

Black Paradise-Bird, glossed with purple, the back and under parts blackish gold-green, the throat copper-coloured, and the tail extremely long and cuneated.

Gorget Paradise-Bird.
Lath. syn.

Le hausse-col dorè.
Viellot ois. Parad.

This most beautiful bird is an inhabitant of the Molucca isles, and is elegantly figured in the splendid works of Mons. Viellot and Mons. Levaillant. In its manners it resembles the rest of the genus Paradisea, and measures about two feet and a half from the tip of the bill to that of the tail.

SPARUS ERYTHROURUS.

****

CHARACTER GENERICUS.

Dentes validi: *primores* ordine simplici, duplici, triplici, vel quadruplici dispositi.

Molares (plerisque) validi, convexi, læves, in series dispositi, et quasi pavimentum in ore efformantes.

Labia crassa: *opercula* mutica, squamosa.

CHARACTER SPECIFICUS, &c.

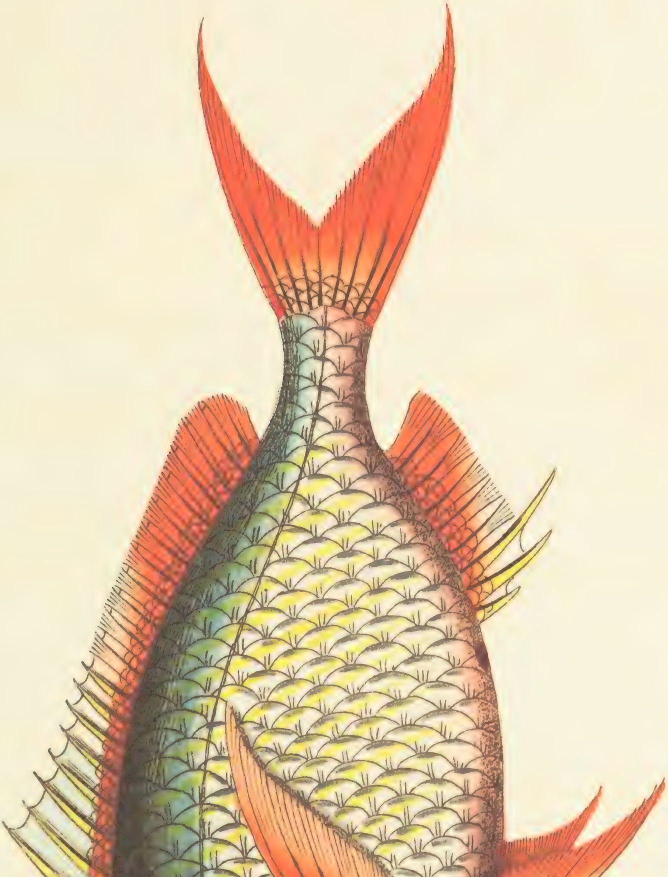
Sparus argenteus, dorso subcæruleo, pinnis et præsertim caudæ rubris.

Gen. Zool. 4. p. 405.

Sparus erythrourus. S. dentibus minutissimis, radiis decem in pinna ani.

Bloch. ichth. 8. t. 241.

Maria incolit Indica Sparus erythrourus, longitudine quasi Spari communis sive *Auratæ* Linnæi.



994

THE

RED-TAILED SPARUS.

****

GENERIC CHARACTER.

Teeth strong: *front-teeth* in some species disposed in a single row, in others in a double, treble, or quadruple row.

Grinders (in most species) convex, smooth, and disposed in ranges, forming a kind of pavement in the mouth.

Lips thick: Gill-Covers unarmed, smooth, scaly.

SPECIFIC CHARACTER, &c.

Silvery Sparus, with blueish back, and red fins, particularly the tail.

Gen. Zool. 4. p. 405.

Der Rothschwanz.

Bloch. ichth. 8. pl. 241.

The Red-Tailed Sparus is a native of the Indian seas, and is of the same size as the Sparus *Aurata* of Linnæus, or Common Gilthead.

ARGONAUTA TUBERCULATUS.

****

CHARACTER GENERICUS.

Animal Sepia.

Testa univalvis, spiralis, involuta, membranacea, unilocularis.

Lin. Syst. Nat. p. 1161.

CHARACTER SPECIFICUS, &c.

Argonauta carina utrinque subdentata, striis lateralibus tuberculatis.

Nautilus tenuis.

Seb. 3. t. 84. f. 4.

Sæpius creditum est Argonautam tuberculatum meram esse varietatem Argonautæ Argus Linnæi, a quo tamen discrepat, striis longitudinalibus, quæ in concha visuntur, non planis, sed in tubercula surgentibus. Crescit in eandem magnitudinem quam Argonauta Argo; fortasse etiam ampliorem. Enutritur in maribus Indicis.

995

PHALÆNA OCULATISSIMA.

****

CHARACTER GENERICUS.

Antennæ a basi ad apicem sensim attenuatæ.
Alæ (sedentis) sæpius deflexæ. (Volatu nocturno.)

CHARACTER SPECIFICUS, &c.

Phalæna oculatissima. P. (Bombyx) nivea, alis primoribus maculis ocellatis nigris, abdomine supra cæruleo flavoque vario.

Phalæna oculatissima. P. (Bombyx) elinguis, alis subreversis albis; primoribus thoraceque punctis ocellaribus numerosis inæqualibus nigris, dorso cæruleo flavoque variegato.
Abbot. N. Am. Ins. t. 69.

Bombyx ocularia.
Fabr. ins..

Phalænam perelegantem descripsimus, Georgiam, Carolinam, aliasque Americæ septentrionalis regiones incolentem. Depascitur larva folia cerasi sylvestris, helianthemi, aliaque ejusmodi. Depingitur phalæna oculatissima in splendido libro quem conscripsit Abbotus de insectis in America septentrionali generatis.

SYLVIA MINUTA.

****

CHARACTER GENERICUS.

Rostrum subulatum, rectum, tenue; mandibulis subæqualibus.

Nares obovatæ, depressiusculæ.

Digitus exterior medio basi subtus connexus.

Cauda modica.

Lath. ind. orn.

CHARACTER SPECIFICUS, &c.

Sylvia olivaceo-cinerea, subtus flavicans, gula albida, alis caudaque subfuscis.

Le Figuier Becque-fleur.

Levaill. ois. Afr. t. 134.

Perexiguam hanc speciem descripsit Levaillantus; a quo cognoscimus in Africa inferiore generari, vescique insectis quæ floribus insident, aliisque ejusmodi. Femina differt a mare coloribus paulo obscurioribus.

997

R.P. Nodder Del. Sculp.

THE

MINUTE WARBLER.

****

GENERIC CHARACTER.

Bill subulate, strait, slender; with nearly equal mandibles.

Nostrils obovate, slightly depressed.

Exterior toe connected towards the base with the middle one.

Tail, in general, of moderate length.

SPECIFIC CHARACTER, &c.

Olivaceous-grey Warbler, yellowish beneath, with whitish throat, and brownish wings and tail.

Le Figuier Becque-fleur.

Levaill. ois. Afr. pl. 134.

This very small species is described by Mons. Levaillant, who informs us that it inhabits the interi parts of Africa, and feeds on minute insects which collects from flowers, &c. The female differs in be rather more obscure in its colours.

998

R. P. Nodder Del. Sculpt.

RANA MEPHITICA.

****

CHARACTER GENERICUS.

Corpus tetrapodum, ecaudatum, nudum.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Rana olivacea, fusco maculata, verrucis subrubentibus, linea dorsali sulphurea.

Gen. Zool. 3. p. 149.

Bufo terrestris foetidus.

Roes. Hist. Ran. t. 24.

In variis Europæ partibus generata rana mephitica si manu contrectetur, seu alio quocunque modo lacessatur, foetorem emittere dicitur teterrimum; eundem fere ac si allii succum cum fumo pulveris nitrati commiscueris.

Bufonem Anglicum *Natter-Jack* inducor ut credam ranæ hujusce esse varietatem, licet inodorus sit. Generatur rana mephitica eodem modo quo cæteri bufones; nec alius est vivendi modus.

THE

MEPHITIC TOAD.

****

GENERIC CHARACTER.

Body four-footed, without tail, and naked, or without any integument but the skin.

SPECIFIC CHARACTER, &c.

Olive Toad, spotted with brown, with reddish warts, and sulphur-coloured dorsal line.

Mephitic Toad.

Gen. Zool. 3. p. 149.

The present species of Toad is found in several parts of Europe, and is said to diffuse, on being handled, or otherwise irritated, an intolerably fetid odor, somewhat resembling that of a mixture of garlick and gunpowder. The toad called in our own country by the name of *Natte,-Jack*, and which appears to be a variety of the present species, is not remarkable for any peculiar odor. In its manner of breeding and way of life, it resembles the rest of its tribe.

CYPRINUS CARPIO.

Var.

Macrolepidotus.

****

CHARACTER GENERICUS.

Os parvum, edentulum. Dentes gutturales.
Membr. branch. triradiata.
Pinnæ ventrales sæpius novemradiatæ.

HARACTER SPECIFICUS, &c.

Cyprinus Carpio. C. luteo-olivaceus, pinna dorsali lata, radio tertio postice serrato.
Gen. Zool. 5. p. 189.

Var.

Cyprinus partim nudus, partim macrolepidotus.

Cyprinus Rex.
Bloch. ichth. 1. t. 17.

Per varias Germaniæ regiones spargitur huc illuc notabilis hæc varietas Cyprini communis. Hoc ei insigne est ad distinctionem, quod, cum in aliis corporis partibus insolita sit squamarum magnitudo, in aliis squamæ omnino nullæ sunt. Cætera cyprino Carpioni vulgari similis est, nisi quod crescere dicitur in majorem molem, et palato melius respondere.

THE

COMMON CARP.

Var.

Large-scaled.

****

GENERIC CHARACTER.

Mouth small and toothless: teeth in the throat.
Gill-Membrane three-rayed.
Ventral fins, in general, nine-rayed.

SPECIFIC CHARACTER, &c.

Yellowish-Olive Carp, with wide dorsal fin, with the third ray serrated behind.

Gen. Zool. 5. p. 189.

Var.

Carp with the body partly naked, and partly covered with very large scales.

Large-scaled Carp.

Gen. Zool. 5. p. 193.

This remarkable variety of the common Carp is found in several parts of Germany, and differs in having some parts of the body naked or scaleless, while the scales on the other parts are of a very unusual size. In other respects it perfectly resembles the common carp, but is said to grow to a larger size, and to be superior as an article of food.

THE

PARADISE PARROT.

****

GENERIC CHARACTER.

Bill hooked, with the upper mandible moveable, and generally furnished with a cere.
Nostrils in the base of the bill.
Tongue, in most species, fleshy, obtuse, entire.
Feet scansorial.

SPECIFIC CHARACTER, &c.

Yellow Parrot, with the feathers edged with orange-red.

Gen. Zool. 8. p. 501.

Le Papagai de Paradis.

Buff. ois.

Perroquet de Cuba.

Pl. Enl. 336.

Perroquet jaune ecaillè de rouge.

Levaill. Perr. pl. 137.

The rare and beautiful Parrot here represented is commonly supposed to be a native of the island of Cuba, a circumstance much questioned by Mons. Levaillant, who seems to hold it in doubt whether this supposed species be not rather a variety of the Amazon Parrot. Mons. Levaillant observes further, that no such bird is at present known in the island of Cuba.

MADREPORA ABDITA.

****

CHARACTER GENERICUS.

Animal Medusa.
Corallium cavitatibus lamelloso-stellatis.
Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Madrepora subconglomerata, anfractibus stelliformibus angulatis obconicis, ambulacris simplicibus, lamellis angustis crenato-denticulatis.
Soland. et Ell. zooph. p. 162. t. 50. f. 2.

Madrepora abdita.
Lin. Syst. Nat. Gmel.

Circa rupes maris Indici conspicitur Madrepora abdita, cujus veram magnitudinem cernere est in tabula.

Drawn Engraved & Published by R P Nodder

TROILUS.

****

GENERIC CHARACTER.

Antennæ commonly thickening towards the end into a clavated tip.

Wings (when at rest) meeting upwards. Flight diurnal.

SPECIFIC CHARACTER, &c.

Butterfly with black tailed wings marked by marginal yellow spots; the lower pair by an interjected blue band and ocellated fulvous spot.

Papilio Troilus.

Lin. Syst. Nat.
Drury Ins. 1. pl. 11. f. 2. 3. 5.
Abbot Ins. Amer. pl. 1.

The Butterfly represented on the present plate is an inhabitant of Georgia and Virginia, where its caterpillar feeds on the leaves of fennel and rue.

SCOMBER SALIENS.

****

CHARACTER GENERICUS.

Corpus oblongum, læve, linea laterali interdum carinatum.

Pinnulæ sæpius supra infraque versus caudam.

HARACTER SPECIFICUS, &c.

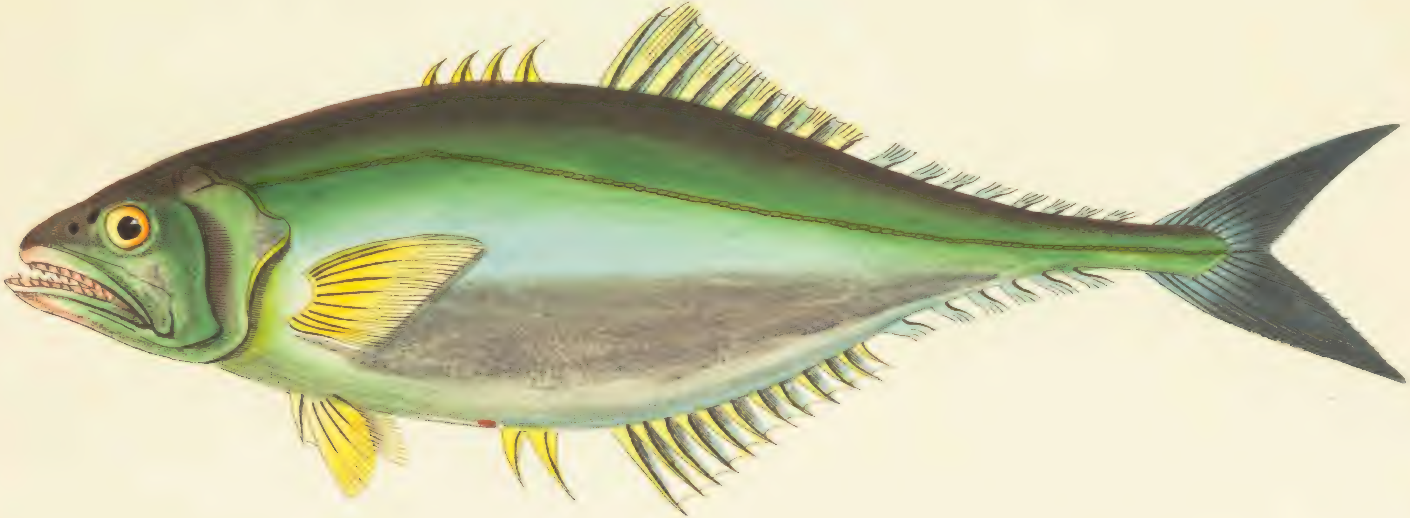
Scomber argenteus, dorso viridi-cæruleo, spinis quatuor armato, pinnulis supra infraque octo.

Gen. Zool. 4. p. 585.

Scomber saliens. S. aculeis quatuor dorsalibus distinctis.

Bloch ichth. t. 335.

Maria incolit Americana Scomber saliens, magnitudine quasi Scombri communis Europæi.



ANAS HISTRIONICA.

****

CHARACTER GENERICUS.

Rostrum lamelloso-dentatum, convexum, obtusum.

Lingua ciliata, obtusa.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Anas subnigra, pectore dorsoque griseo-cæruleis, capite albo ferrugineoque striato, collari fasciaque pectorali albis.

Anas fusca albo cæruleoque varia, auribus, temporibus linea gemina, collari fasciaque pectorali albis.

Lin. Syst. Nat.
Lath. ind. orn.

Americam septentrionalem præcipue incolit Anas histrionica ; in Europæ partibus borealibus interdum conspecta. Magnitudo ejus est quasi Anatis vulgaris Europææ sive Boschadis Linnæi. Femina mare minor colore fere toto fusco, macula tantum auriculari alba differt.

100.

ARCHIPPUS.

****

GENERIC CHARACTER.

Antennæ thickening towards the end, and gegerally terminating in a clavated tip.

Wings (when at rest) meeting upwards. (Flight diurnal.)

SPECIFIC CHARACTER, &c.

Butterfly with fulvous wings marked by black veins, and by a black border spotted with white, with a few fulvous spots at the tips of the upper pair.

Papilio Archippus.

Fabr. ent. emend. 4. p. 49.

This elegant insect is a native of Virginia and Carolina. The caterpillar feeds chiefly on the leaves of the Asclepias Curassavica.

THE

YELLOW-STRIPED SCIÆNA.

****

GENERIC CHARACTER.

Head scaly.

Dorsal fins two, seated in a furrow, into which they may occasionally be withdrawn.

Gill-Membrane six-rayed.

SPECIFIC CHARACTER, &c.

Blue Sciæna? marked by numerous longitudinal deep-yellow stripes.

Rahtee Bontoo.

Russell's Indian Fishes, pl. 29.

This fish is an inhabitant of the Indian seas, and is nearly of the size of the common European Perch.

SERTULARIA OPERCULATA.

****

CHARACTER GENERICUS.

Animal crescens plantæ habitu.
Stirps emittens e cellulis vel denticulis calyciformibus hydras.

Lin. Syst. Nat. Gmel.

CHARACTER SPECIFICUS, &c.

Sertularia denticulis oppositis mucronatis erectiusculis, ovariis obovatis operculatis, ramis alternis.

Lin. Syst. Nat.
Soland. et Ell. Zooph.

Corallina muscosa denticulata procumbens, caule tenuissimo, denticellis ex adverso sitis.

Ell. corall. p. 8. t. 3.
Ray syn. p. 36. No. 13.

Circa litora Britannica satis frequens conspicitur Sertularia operculata, rupibus, ostrearum testis, aliisque marinis adhærens.

THE

OPERCULATED SERTULARIA.

****

GENERIC CHARACTER.

Animal growing with the appearance of a plant.

Stem emitting Polypes from calycular cells or denticles.

SPECIFIC CHARACTER, &c.

Sertularia with opposite suberect mucronated denticulations, obovate operculated ovaries, and alternate branches.

Sea-Hair.

Ell. corall. p. 8. pl. 3.

The present species of Sertularia is by no means uncommon on several of the British coasts, adhering to rocks, oyster shells, and other marine substances.

STROMBUS LAMBIS.

****

CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, spiralis, latere ampliata.

Apertura labro sæpius dilatato, desinens in canalem sinistrum.

Lin. Syst. Nat. p. 1207.

CHARACTER SPECIFICUS, &c.

Strombus testa albida fusco varia, labro heptadactylo, digitis rectiusculis, fauce lævi subrosea.

Strombus Lambis. S. testæ labro heptadactylo, digitis rectiusculis, fauce lævi.

Lin. Syst. Nat. p. 1208.

Lambis.

Argenville conch. t. 17. f. F.

Cornuta.

Rumph. mus. t. 35. f. E. F.

Maria incolit Indica Strombus Lambis, interdum major quam in tabula depingitur.

PAPILIO PHILENOR.

****

CHARACTER GENERICUS.

Antennæ apicem versus crassiores, sæpius clavato-capitatæ.

Alæ (sedentis) erectæ sursumque conniventes. (Volatu diurno.)

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Papilio alis caudatis nigris; posticis virescenti-nitidis; subtus maculis septem rubris subocellaribus, basi puncto lutescente.

SMITH, *Abbot Ins. Amer.* t. 3.

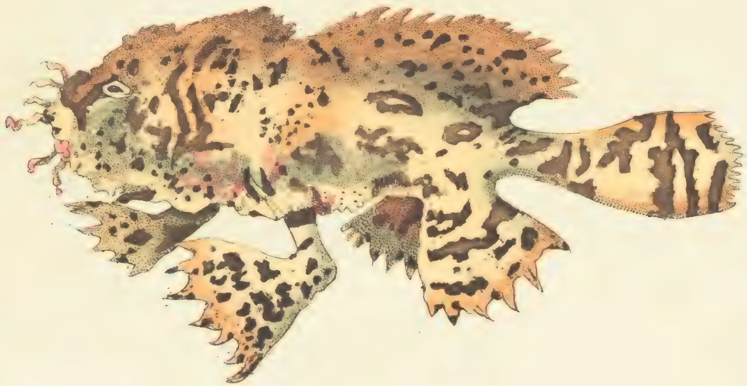
Pap. Astenous. *Drury Ins.* 1. t. 11. f. 1. 4.

Cramer, t. 208. f. A. B.

Pap. Philenor. *Lin. Mantiss.* p. 535.

Virginiam incolit Papilio Philenor, cujus larva folia Aristolochiæ *Serpentaria* dictæ depascitur.

1012



THE

COCHINCHINA LOPHIUS.

****

GENERIC CHARACTER.

Head depressed.

Teeth numerous, sharp: tongue armed with teeth.

Body thick.

Pectoral fins brachiated.

SPECIFIC CHARACTER.

Pale yellowish Lophius, with brown variegations, cirrated mouth, and elongated pectoral fins.

The species of Lophius here represented in its natural size, and which appears to be an inhabitant of the Indian seas, was observed near the bay of Turon, on the coast of Cochinchina, adhering to a piece of salted meat, which, according to the usual custom of sailors, had been lowered for some time in the water. The specimen figured on the annexed plate, is copied from the original drawing of the ingenious Mr. Alexander of the British Museum, who accompanied the voyage of Lord Macartney to China.

PHALÆNA PAPILIONARIA.

****

CHARACTER GENERICUS.

Antennæ setaceæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ. (Volatu nocturno.)

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Phalæna (geometra) pectinicornis, alis omnibus viridibus subrepandis, striga sesquialtera pallida.

Lin. Syst. Nat.

Roes. 4. t. 18. f. 3.

Folia betulæ et genistæ præcipue depascitur larva elegantis hujus insecti. In chrysalidem mense Junio convertitur, e qua mense Julio erumpit ipsa phalæna.

107

R.P. Nodder del. sculpt.

THE

WINGED MUSCLE.

Var.?

****

GENERIC CHARACTER.

Animal allied to an Ascidia.
Shell bivalve, in some species fastened by a kind of silk or byssus.
Hinge, in most species, toothless.

SPECIFIC CHARACTER. &c.

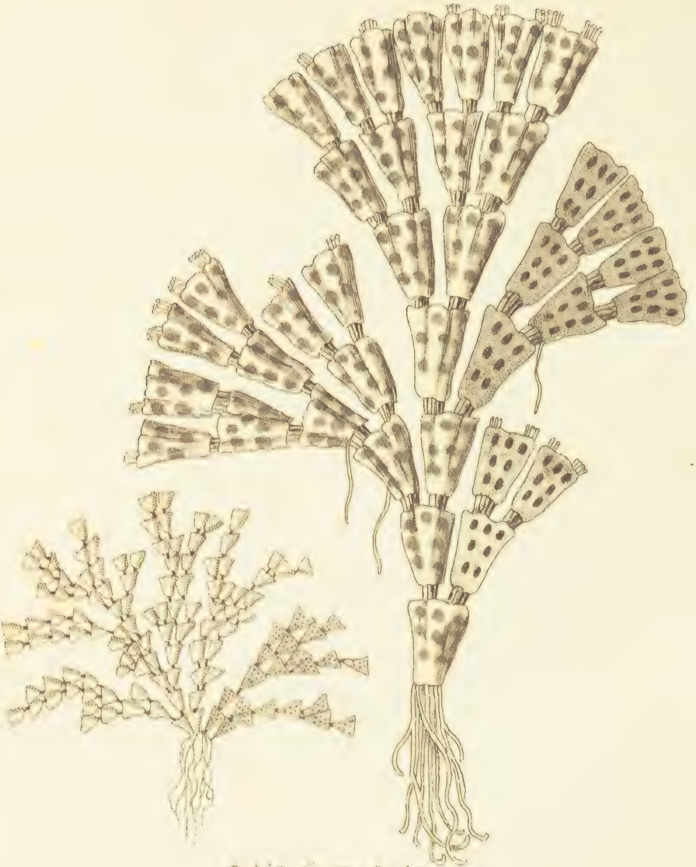
Muscle with smooth shell, bilobate valves, and lengthened cardinal lobe.

L'Oiseau.

Argenv. Conch. pl. 22. f. B.

Var. Winged Muscle rufous within, with black extremities.

The rare shell here represented is an inhabitant of the Indian seas, and is sometimes of larger size than expressed in the plate annexed.



DILATED CORALLINE.

****

GENERIC CHARACTER.

Animal? growing in the form of a plant.
Stem fixed; branches jointed and subdivided.

SPECIFIC CHARACTER, &c.

Branched dichotomous Coralline, with triangularly-dilated joints.

Fan celliferous Coralline.

Soland. et Ellis Zooph. p. 28. pl. 4. f. c.

This species of Coralline is chiefly observed on the American coasts, where it rises to the height of three or four inches.

1017

EUBULE.

****

GENERIC CHARACTER.

Antennæ thickening towards the end, and generally terminating in a clavated tip.

Wings (when at rest) meeting upwards. Flight diurnal.

SPECIFIC CHARACTER, &c.

Butterfly with entire, rounded, deep-yellow wings, marked along the margin with black specks, and beneath by a double ferruginous silvery spot.

Edw. pl. 304.

Cramer, pl. 120. f. E. F.

This Insect is an inhabitant of Georgia and Virginia, where its caterpillar feeds on the leaves of the dwarf Cassia.

619

R. P. Nodder Del Sculpt.

THE

LAMP MUREX.

****

GENERIC CHARACTER.

Animal allied to a Limax or Slug.

Shell univalve, roughened by membranaceous sutures.

Aperture ending in a strait or subascending channel.

SPECIFIC CHARACTER, &c.

Murex with ferruginous shell tuberculated on all parts, with whitish transverse bands, nearly opposite protuberances, and subovate mouth rufous within.

Lister, tab. 1023.

Rumph. Mus. t. 28. C. D.

Argenv. Conch. pl. 9. D.

Martini 4. pl. 128. f. 1326. 1327.

This shell is an inhabitant of the Indian seas, and is sometimes found much larger than represented on the present plate.

N 2

Richd. P Nodder Sculpt.

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London: Printed by B. M'Millan, Bow Street, Covent Garden.